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[54] **ADAPTIVE VARIABLE-LENGTH CODING AND DECODING METHODS FOR IMAGE DATA**

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[57] **ABSTRACT**

An adaptive variable-length coding/decoding method performs an optimal variable-length coding and decoding depending on an intra mode/inter mode condition. quantization step size and a current zigzag scanning position. such that a plurality of variable-length coding tables having different patterns of a regular region and an escape region according to statistical characteristics of the run level data are set. One of the variable-length coding tables is selected according to mode. quantization step size and scanning position. and the orthogonal transform coefficients according to the selected variable-length coding table are variable-length-coded.

7 Claims, 7 Drawing Sheets